SEQUENCE LISTING

<110> DREYFUSS, Gideon CHARROUX, Bernard PELLIZZONI, Livio FISCHER, Utz Liu, Qing

<120> COMPOSITIONS, METHODS AND KITS USEFUL FOR THE DIAGNOSIS AND TREATMENT OF SPINAL MUSCULAR ATROPHY

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- <151> 1998-09-17
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Arg Gly His Trp Arg Ser Gln Pro Leu Asp Ser Asn Val Thr Met Pro 100 105 110

Ser Thr Glu Asp Glu Glu Ser Trp Lys Lys Phe Cys Leu Gly Glu Arg 115 120 125

Leu Tyr Ser Asp Leu Ala Ala Leu Asn Ser Glu Ser Gln His Pro 130 135 140

Gly Ile Asp Tyr Ile Lys Val Gly Phe Pro Pro Leu Leu Ser Ile Val 145 150 155 160

Ser Arg Met Ser Gln Ala Thr Val Thr Ser Val Leu Glu Tyr Leu Val 165 170 175

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380

Ala Lys Leu Lys His Phe His Cys Arg Val Leu Ile Ser Thr Asp Leu 355 360 365

Thr Ser Arg Gly Ile Asp Ala Glu Lys Val Asn Leu Val Val Asn Leu

375

370

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Pro Val Asp Asp Arg Ile Ser Leu Glu Gln Pro Pro Asn Gly Thr Asp 690 695 700

± ± ±

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Thr Arg Leu Lys Glu Gly Ala Ser Gln Arg Ala Lys Gln Ser Arg Arg 725 730 735

Asn Leu Pro Arg Arg Ser Ser Phe Arg Leu Gln Thr Glu Ala Gln Glu
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Asp Asp Trp Tyr Asp Cys His Arg Glu Ile Arg Leu Ser Phe Ser Asp 755 760 765

Thr Tyr Gln Asp Tyr Glu Glu Tyr Trp Arg Ala Tyr Tyr Arg Ala Trp
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Val	Ala	Ser 35	Phe	Lys	Asn	Ala	Leu 40	Lys	Asn	Gly	Asp	Cys 45	Ser	Glu	Pro
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Lys 65	Asn	Arg	Asn	Arg	Asn 70	Lys	Ser	Asn	Ala	Val 75	Pro	Leu	Lys	Gln	Trp 80
Lys	Val	Gly	Asp	Ser 85	Cys	Asn	Ala	Val	Trp 90	Ser	Glu	Asp	Gly	Asn 95	Val
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Val	Thr	Tyr 115	Thr	Gly	Tyr	Gly	Asn 120	Lys	Glu	Glu	Gln	Asn 125	Leu	Ala	Asp
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Asn	Cys	Thr	Lys	Ala 165	Arg	Phe	Ser	Pro	Lys 170	Asn	Leu	Arg	Phe	Pro 175	Ile
Pro	Pro	Thr	Pro 180	Pro	Gly	Leu	Gly	Arg 185	His	Gly	Ser	Lys	Phe 190	Arg	Thr
Leu	Pro	Pro 195	Phe	Leu	Ser	Суз	Trp 200	Pro	Pro	Pro	Phe	Pro 205	Ala	Gly	Pro
Pro	Leu 210	Ile	Pro	Pro	Pro	Pro 215	Pro	Met	Gly	Pro	Asp 220	Ser	Pro	Glu	Asp
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Tyr Ala Tyr Gly Phe Glu Lys Pro Ser Ala Ile Gln Gln Arg Ala Ile 50 55 60

Ile Pro Cys Ile Lys Gly Tyr Asp Val Ile Ala Gln Ala Gln Ser Gly 65 70 75 80

Thr Gly Lys Thr Ala Thr Phe Ala Ile Ser Ile Leu Gln Gln Leu Glu 85 90 95

Ile Glu Phe Lys Glu Thr Gln Ala Leu Val Leu Ala Pro Thr Arg Glu
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Leu Ala Gln Gln Ile Gln Lys Val Ile Leu Ala Leu Gly Asp Tyr Met
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Gly Arg Val Phe Asp Met Leu Asn Arg Arg Tyr Leu Ser Pro Lys Trp 165 170 175

Ile Lys Met Phe Val Leu Asp Glu Ala Asp Glu Met Leu Ser Arg Gly
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Phe Lys Asp Gln Ile Tyr Glu Ile Phe Gln Lys Leu Asn Thr Ser Ile 195 200 205

Gln Val Val Leu Leu Ser Ala Thr Met Pro Thr Asp Val Leu Glu Val 210 215 220

Thr Lys Lys Phe Met Arg Asp Pro Ile Arg Ile Leu Val Lys Lys Glu 225 230 235 240

Glu Leu Thr Leu Glu Gly Ile Lys Gln Phe Tyr Ile Asn Val Glu Arg
245 250 255

Glu Glu Trp Lys Leu Asp Thr Leu Cys Asp Leu Tyr Glu Thr Leu Thr 260 265 270

Ile Thr Gln Ala Val Ile Phe Leu Asn Thr Arg Arg Lys Val Asp Trp 275 280 285

Leu Thr Glu Lys Met His Ala Arg Asp Phe Thr Val Ser Ala Leu His 290 295 300

Gly Asp Met Asp Gln Lys Glu Arg Asp Val Ile Met Arg Glu Phe Arg 305 310 315 320

Ser Gly Ser Ser Arg Val Leu Ile Thr Thr Asp Leu Leu Ala Arg Gly 325 330 335

Ile Asp Val Gln Gln Val Ser Leu Val Ile Asn Tyr Asp Leu Pro Thr 340 345 350

Asn Arg Glu Asn Tyr Ile His Arg Ile Gly Arg Gly Gly Arg Phe Gly 355 360 365

Arg Lys Gly Val Ala Ile Asn Phe Val Thr Glu Glu Asp Lys Arg Ile 370 380

Leu Arg Asp Ile Glu Thr Phe Tyr Asn Thr Thr Val Glu Glu Met Pro 385 395 400

Met Asn Val Ala Asp Leu Ile 405

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